

Amendments to the Specification

Please replace the paragraph of the specification found at page 3, beginning at line 10 with the following paragraph:

U.S. Patent No. 6,336,957 by Tsymerman discloses an adsorption-based apparatus where thermal swing is used to desorb water from the sorbent material to collect water from air. Ambient air is drawn into a first area of an enclosure which comprises the sorbent material. A second area of the enclosure contains ~~an~~a condenser. After the sorbent material is saturated with water, the first area is hermetically sealed and the sorbent is then heated to cause desorption of the water from the sorbent. A pressure differential is then created between the first area and the second area, whereby water-containing air flows from the first area to the second area and the water is condensed and collected.

Please replace the paragraph of the specification found at page 7, beginning at line 19 with the following paragraph:

A schematic illustration of a process flow according to this embodiment of the present invention is illustrated in Fig. 1. A blower **102** (e.g., a fan) provides a flow of air **104** to a concentrator **106**. The concentrator **106** includes an adsorbent material wherein the adsorbent can be cycled between a hydrophilic state and a hydrophobic state. Initially, the adsorbent is in the hydrophilic state such that the adsorbent removes water vapor from the air **104** and forms a dry air stream **110**. The adsorbent material can be attached to a rigid support using a binder to form a sheet and multiple sheets can be stacked in the concentrator **106**.